DIGISOL™

Quick Installation Guide

SKYROS SERIES

Day/Night Speed Dome PoE IP Camera with IR Cut Filter and 10x Optical Zoom

DG-SC7100P-10

V1.0
2012-06-22

FCC warning:

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limitations are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into a different outlet from that to which the receiver is connected.
- Consult your local distributors or an experienced radio/TV technician for help.
- Shielded interface cables must be used in order to comply with emission limits

Changes or modifications to the equipment, which are not approved by the party responsible for compliance could affect the user's authority to operate the equipment.

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Package Contents

The following items should be present in your package

- DG-SC7100P-10 Speed Dome POE IP Camera (1 No.)
- Switching Power Adapter (12V DC, 2A)
- Installation Guide CD (includes User Manual, QIG, Utility & Firmware)
- Ceiling Mounting bracket A (1 No.)
- Ceiling Mounting bracket B (1 No.)
- Ceiling Mounting bracket C (1 No.)
- I/O signal cable (1 No.)
- Screws package (1 No.)

Make sure that the package contains above items. If any of the listed items is damaged or missing, please contact your retailer immediately.

Mounting bracket A

Mounting bracket B

Mounting bracket C

Product Overview

DG-SC7100P-10 is a Speed Dome IP camera with 10x Optical Zoom. The speed dome camera is designed in such a way making it an ideal solution for drop-ceiling mounting for indoor applications. With its 360 degree continuous Pan and 180 degree Tilt, the camera can monitor a larger area. The 10x optical zoom gives a detailed view of the area under surveillance. With the latest H.264 compression standard, users can stream high quality video at low bandwidth and storage capacity requirements. The IR cut filter offers a true image quality during day/night operations. This IP camera has one Digital input for receiving triggers from external device for notifying about an activity in the area covered by the camera. It can also send a Digital output to an external device, if the IP camera detects an activity.

DG-SC7100P-10 supports PoE, which helps in easy installation by eliminating the need of a dedicated power source for the camera.

Product Features

- 360° Pan-tilt control, there is no dead spot that this dome camera can't see.
- Powerful 10x optical zoom.
- Video output port - supports video output to other video devices or DVR. Video output supports both NTSC / PAL video standard.
- DI/DO (Digital input / Digital output) interface, you can connect to external devices for remote control and automation.
- Audio in-out interface provides audio communication capability.
- No pre-installed software is required to view video and do the configuration, all you need is network connection and a web browser.
- 3GPP Mobile Surveillance Supported.
- ONVIF Compliant.
- Supports IEEE802.3af power over Ethernet standard.

System Requirements

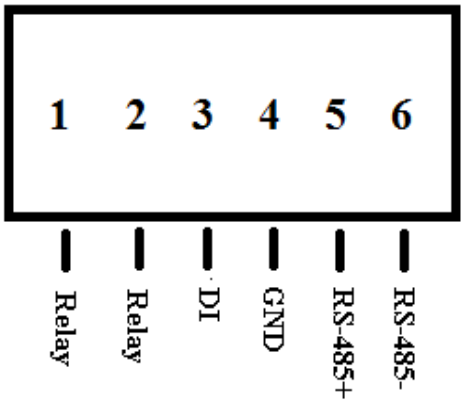
The following system requirements are recommended

- Windows XP, Vista or Win 7 operating system (both 32 or 64 bits version)
- 2GB of system memory
- 1GB of Display card memory
- 20GB of available hard disk space on system drive

REAR VIEW

Sr. No.	Item	Description
1	Ethernet	Connect to your local area network by Ethernet cable. Left LED: Power Indicator Right LED: LAN connectivity
2	I/O	Digital input / output dry contacts. Connects to external peripherals by wire. See next page for pin definitions. **WARNING: DO NOT CONNECT POWERED CABLE.**
3	Video Out	Connect to other video peripherals by RCA cable.
4	Audio In-out	Connect to audio peripherals by 3.5" audio cable.
5	DC 12V	Connects to 12VDC power adapter output.

DI/DO PIN ASSIGNMENT



Item	Description
1. Relay	Digital Output ground
2. Relay	Digital Output1
3. DI	Digital Input 1
4. GND	Signal ground
5. RS-485+	RS-485 signal positive(+)
6. RS-485-	RS-485 signal negative(-)

SD card slot

Note: The SD card slot is available in the IP camera. Open the top portion of the camera as shown in the figure above. The slot as highlighted in the figure will be visible.

Camera Installation

Please note: You may wish to fix the camera to the ceiling or wall before you connect these cables.

1. Insert Ethernet cable to 'Ethernet' port located at the back of dome camera. The other end of Ethernet cable should connect to your local area network.

2. Connect IO signal cable to IO port located at the back of dome camera.

You can skip this step if you don't have external I/O devices to connect.

3. Use a RCA cable (not supplied in accessory kit) to connect 'Video Out' port, and connect the other end of RCA cable to peripherals Which support video input, like DVR, VTR, or television.

You can skip this step if you don't need to connect other video peripherals.

4. Connect audio cable to “Audio in-out” port located at the back of dome camera, and connect the other end of audio cable to audio peripherals like amplifier or microphone.

You can skip this step if you don’t want to use audio peripherals.

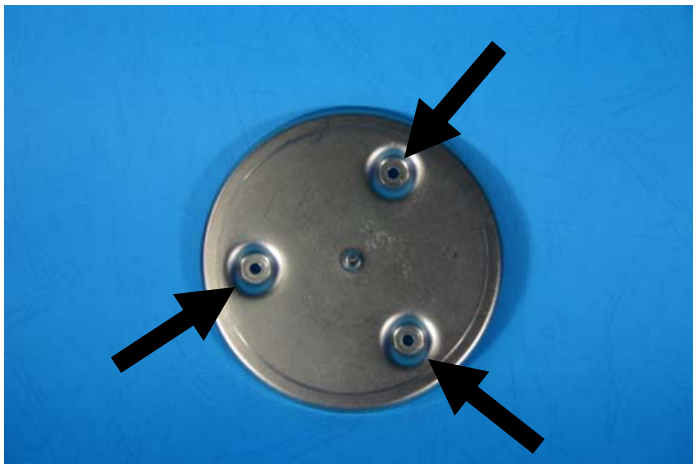
5. Insert the AC adapter to the power outlet on the wall.

6. Insert the other end of AC adapter to “DC 12V” located at the back of dome camera.

If everything is correct, you should see the LED light next to the Ethernet port lit up. If not, please recheck installation procedures listed above again. If you still cannot get dome camera work, please contact your dealer of purchase for help.

Ceiling-mount / Wall-mount Installation

Use 3 screws (supplied with the package) to securely fix ceiling mounting bracket A on the wall or ceiling.



NOTE:

1) Please refrain from mounting the camera on a thin wooden wall / ceiling to avoid IP dome camera from falling down.

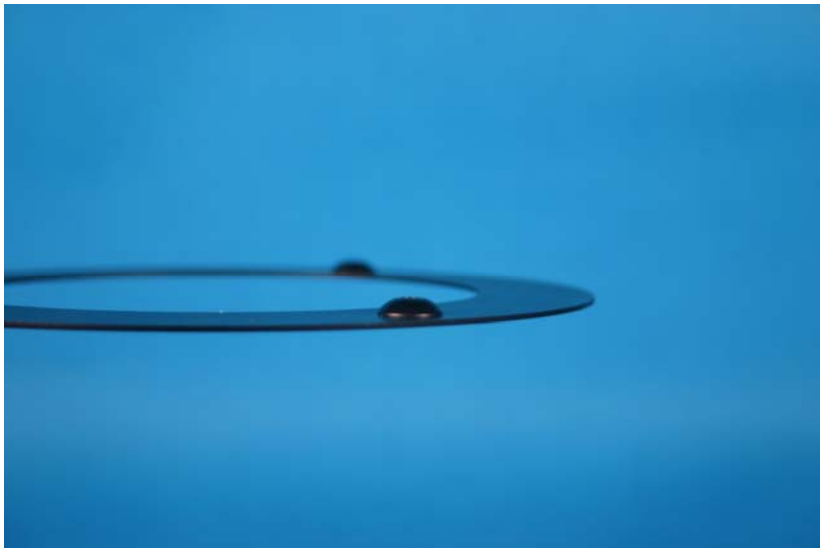
2) When mounting on concrete wall / ceiling, please use supplied plastic plugs to fasten screws in the wall / ceiling, never use screws alone.

If you want to fix the IP dome camera to ceiling / wall plate, kindly perform the below mentioned steps:-

a. Take ceiling mounting bracket B and draw a circle by pen or pencil along the inner circle of mounting bracket B, then use appropriate tool to cut a hole on the wall / ceiling plate.

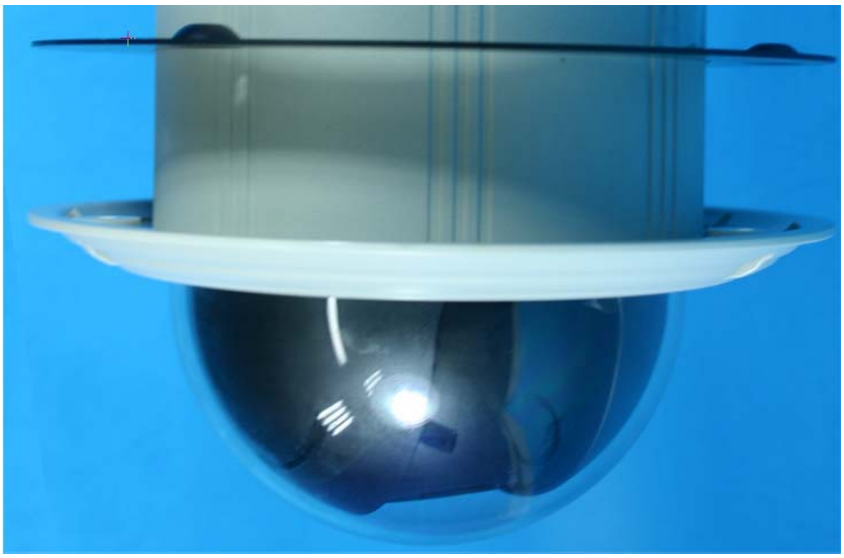
b. Fasten mounting bracket A on the wall / ceiling.

c. Put mounting bracket B behind the wall / ceiling plate.

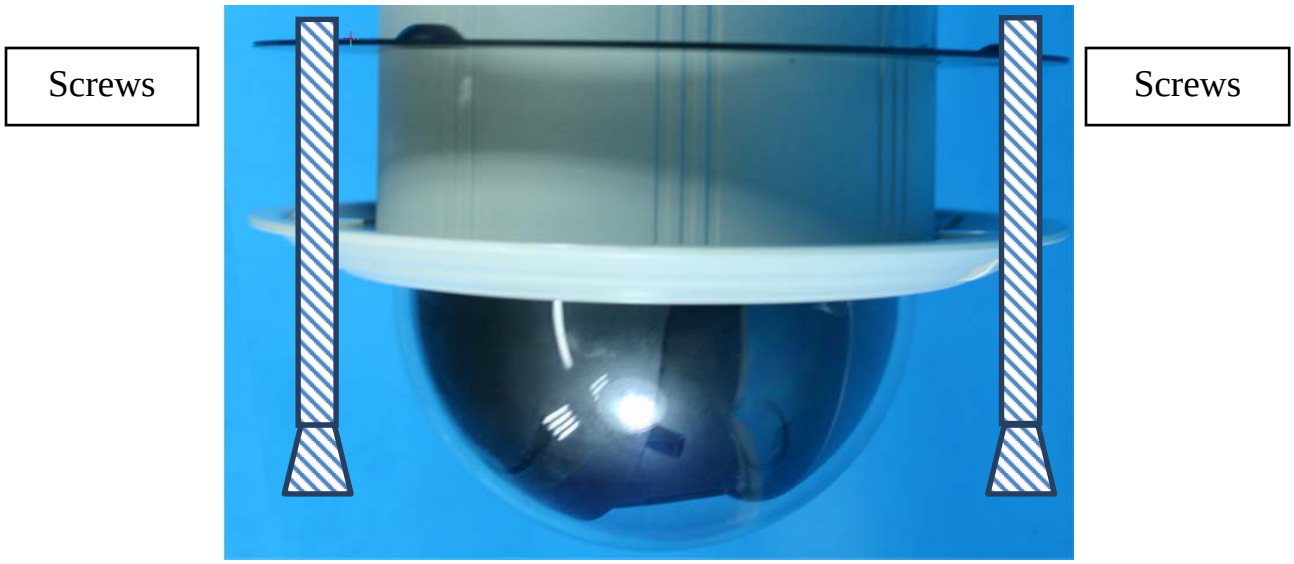


d. Fasten IP dome camera on the wall / ceiling with mounting bracket A, turn IP dome camera clockwise slowly and carefully.

e. Pass the IP dome camera through wall/ ceiling plate and mounting bracket B, then pass mounting bracket C through IP dome camera.



f. Fasten mounting bracket B and C by supplied screw.



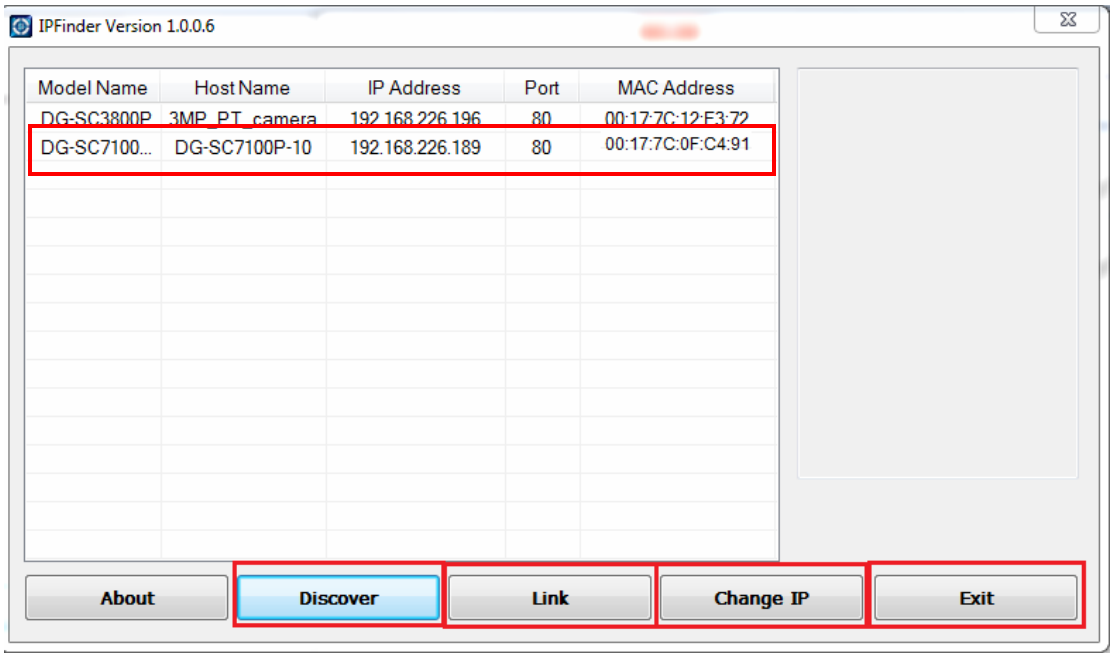
g. Take IP dome camera and fasten it to the ceiling mounting bracket A by turning IP dome camera clockwise slowly and carefully.

h. Connect Ethernet and other cables.

Web Management of the Camera

You must know the IP address of Dome Camera before you can connect to it. The Dome Camera will use DHCP server on your local network to obtain an IP address automatically by default. So, you can check your DHCP server's IP address lease table to find the IP address of Dome Camera.

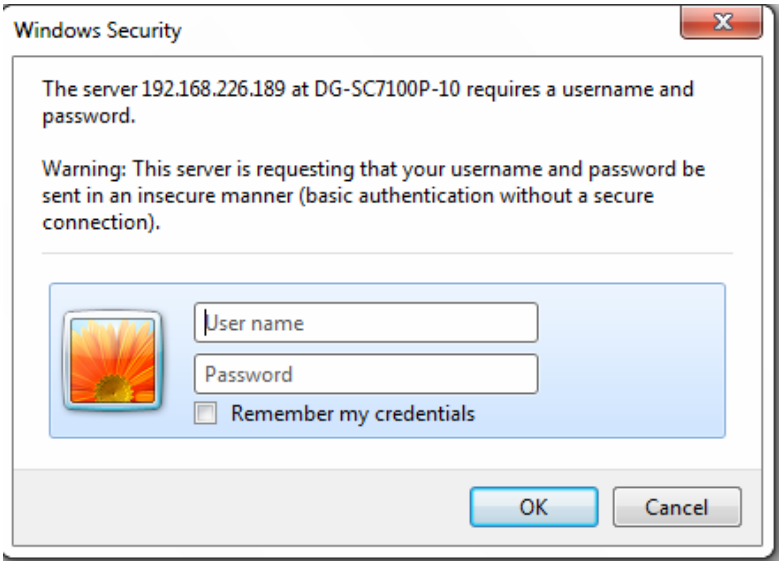
You can also use the utility named '**IP Finder.exe**' to find the IP address of Dome Camera, which is located on the CD-ROM.



Press '**Discover**' button to search for all dome cameras on your local network (make sure all dome cameras are powered on and are connected to the local network first). When you find any dome camera, you can click on it and click '**Link**' button to connect to it to your web browser.

If you need to change a certain dome camera's IP address, you can also click on the dome camera whose IP address you wish to change, then click **'Change IP'** button to change select dome camera's IP address setting.

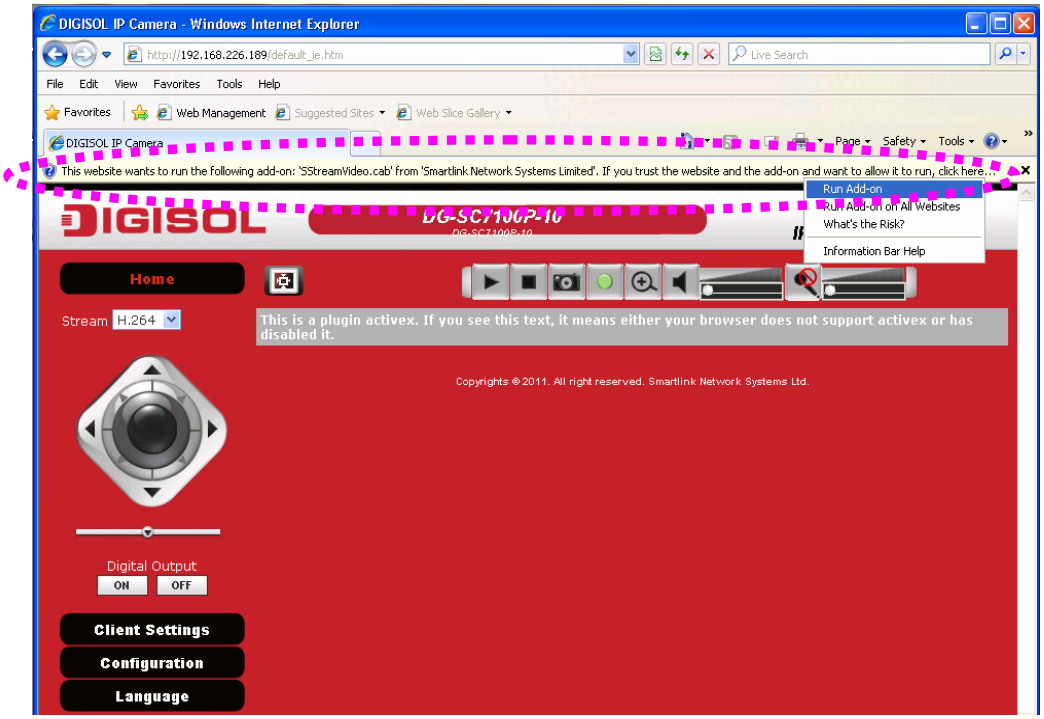
When you know the IP address of dome camera, you can connect to it by Internet Explorer web browser by entering its IP address in the address bar. The user login screen will appear when you get connected:


Windows Security
The server 192.168.226.189 at DG-SC7100P-10 requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name
Password
Remember my credentials
OK
Cancel

Dome camera's administrator username and password are both 'admin' (lower case) by default. Click 'OK' button or press 'ENTER' key on your keyboard when you finish entering username and password.

When you connect to dome camera for the first time, you'll see the following message:
This message prompts you that you need to install ActiveX plug-in before you can see the video from dome camera.

For IE 8 version:


DIGISOL IP Camera - Windows Internet Explorer
http://192.168.226.189/default_ie.htm
File Edit View Favorites Tools Help
Favorites
Web Management
Suggested Sites
Web Slice Gallery
DIGISOL IP Camera
Page Safety Tools
This website wants to run the following add-on: 'SStreamVideo.cab' from 'Smartlink Network Systems Limited'. If you trust the website and the add-on and want to allow it to run, click here...
Run Add-on
Run Add-on on All Websites
What's the Risk?
Information Bar Help
DIGISOL
DG-SC7100P-10
Home
Stream H.264
This is a plugin activex. If you see this text, it means either your browser does not support activex or has disabled it.
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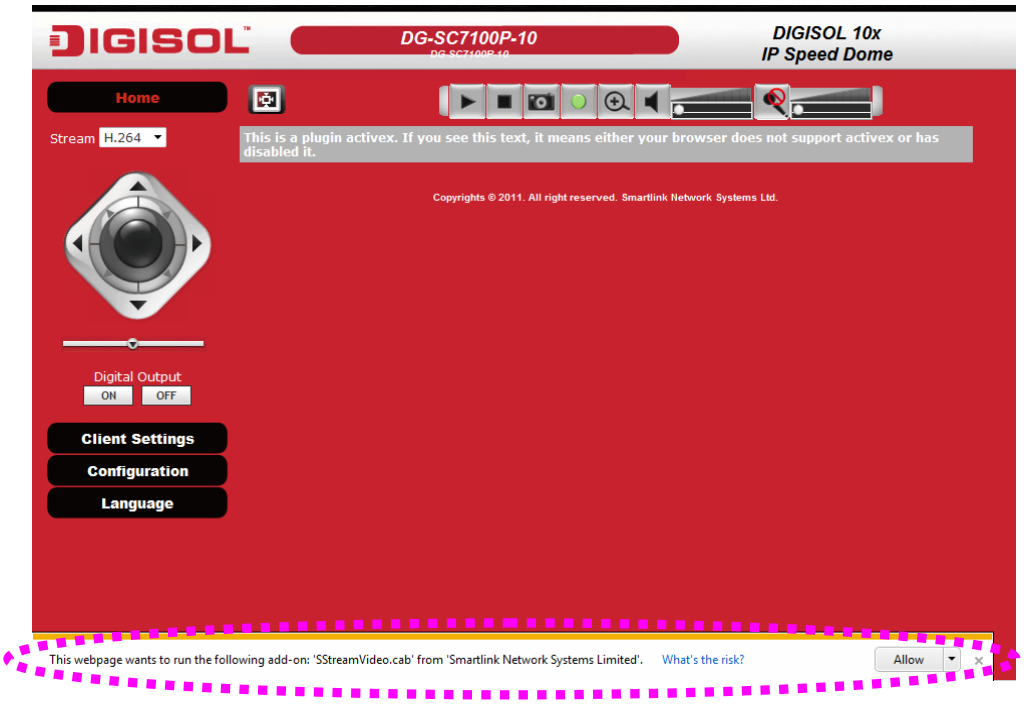
Digital Output
ON
OFF
Client Settings
Configuration
Language

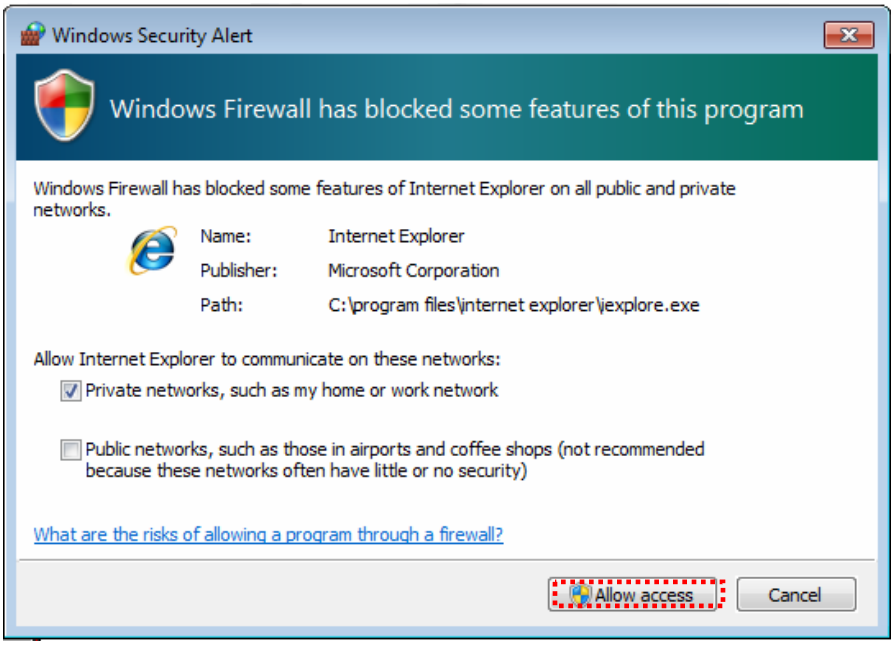
Right click the indication bar and click: “Run Add-on” for All Users on this Computer to install ActiveX plugin.

For IE9 version:


DIGISOL
DG-SC7100P-10
DIGISOL 10x
IP Speed Dome
Home
Stream H.264
This is a plugin activex. If you see this text, it means either your browser does not support activex or has disabled it.
Copyrights © 2011. All right reserved. Smartlink Network Systems Ltd.
Digital Output
ON
OFF
Client Settings
Configuration
Language
This webpage wants to run the following add-on: 'SStreamVideo.cab' from 'Smartlink Network Systems Limited'.
What's the risk?
Allow

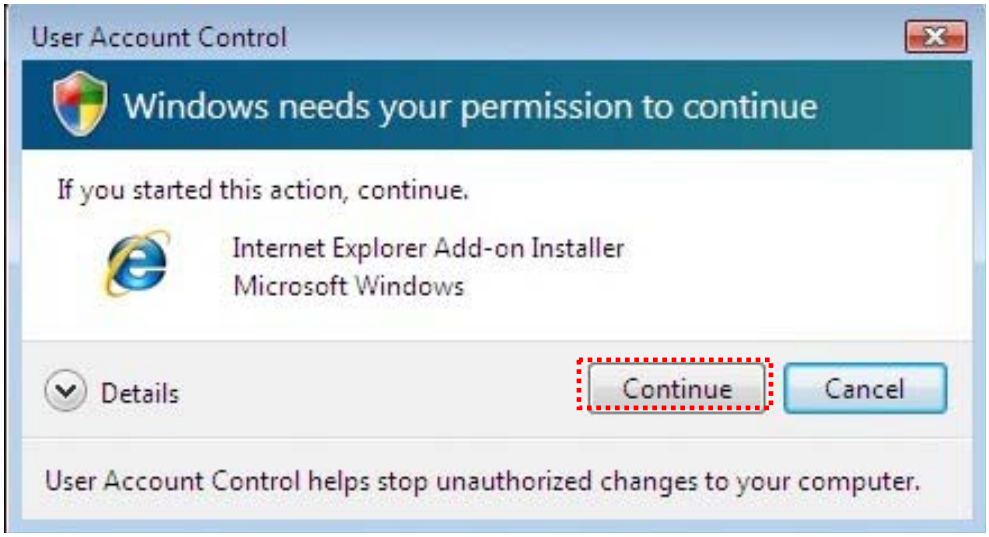
Click '**Allow**' button located at the bottom of IE to install ActiveX plugin.

If you're prompted that Windows Firewall has blocked some features of this program as shown below.

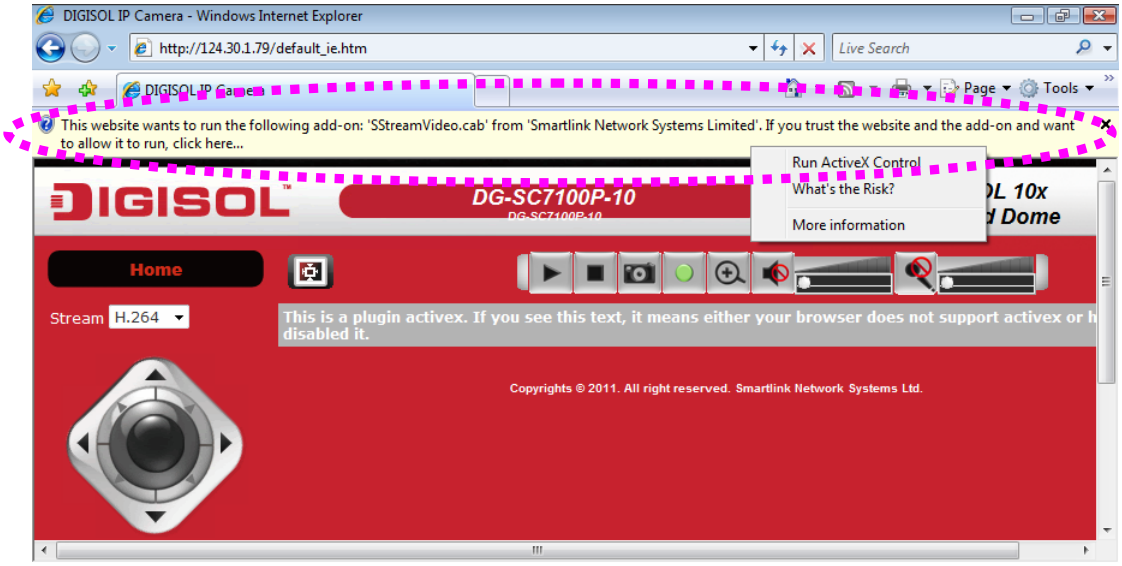

Windows Security Alert
Windows Firewall has blocked some features of this program
Windows Firewall has blocked some features of Internet Explorer on all public and private networks.
Name: Internet Explorer
Publisher: Microsoft Corporation
Path: C:\program files\internet explorer\iexplore.exe
Allow Internet Explorer to communicate on these networks:
Private networks, such as my home or work network
Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)
What are the risks of allowing a program through a firewall?
Allow access
Cancel

Click '**Allow access**', or dome camera will not be able to function properly.

When you're installing Internet Explorer plugin, you may also be prompted if you want to allow changes to be made to your computer:



Click on '**Continue**'. It will display the screen shown below:


DIGISOL IP Camera - Windows Internet Explorer
http://124.30.1.79/default_ie.htm
Live Search
Page
Tools
This website wants to run the following add-on: 'SStreamVideo.cab' from 'Smartlink Network Systems Limited'. If you trust the website and the add-on and want to allow it to run, click here...
Run ActiveX Control
What's the Risk?
More information
DIGISOL
DG-SC7100P-10
Home
Stream H.264
This is a plugin activex. If you see this text, it means either your browser does not support activex or h
disabled it.
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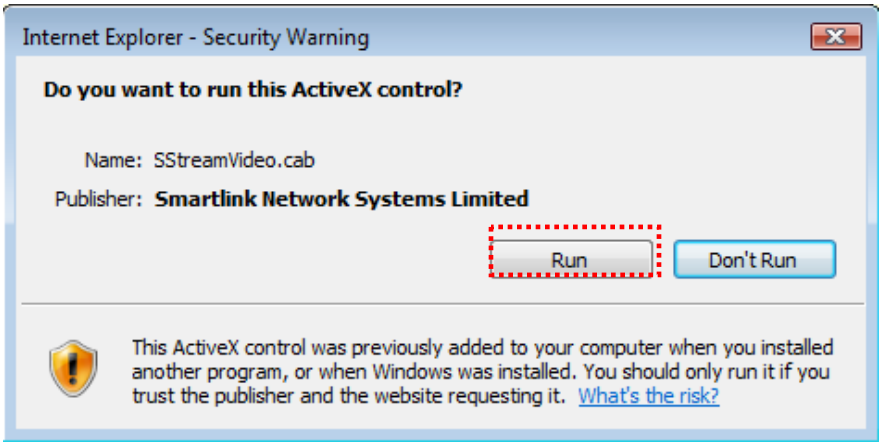
Once you click on Run Active X Control, the following screen appears:


Internet Explorer - Security Warning
Do you want to run this ActiveX control?
Name: SStreamVideo.cab
Publisher: Smartlink Network Systems Limited
Run
Don't Run
This ActiveX control was previously added to your computer when you installed another program, or when Windows was installed. You should only run it if you trust the publisher and the website requesting it. What's the risk?

Click on '**Run**' to install the Active X.

After ActiveX plugin is installed, you should be able to see the video stream from camera.

Congratulations! Now you can start Advanced Configuration.

FAQ

Following are the solutions to problems that may occur during the installation and operation of the Digisol DG-SC7100P-10.

1. Cannot access the IP camera.
    - Please make sure IP camera is correctly powered (the 'Power' LED should be on)
    - Please confirm the IP address setting of the computer you're using. If the IP Camera and the laptop are not in the same subnet, they will not be able to communicate with each other.
    - Please modify the IP address of the laptop to match the subnet of the IP camera.
    - In case, the IP address of the IP camera is not known, reset it to factory default value by pressing 'reset' button on the IP camera.
    - If you're trying to connect to the IP camera from Internet, please make sure the port that IP camera uses is not blocked by firewall or other software / hardware.
    - Contact DIGISOL helpdesk, if above solutions do not work.

2. Image refreshes very slowly.
    - Try a higher frame rate setting, if it's not 30fps.
    - Try a lower resolution.
    - If you're connecting this camera from Internet, it could be caused by a slow Internet connection, and it's not a problem caused by camera. However, when the network connection is slow, you should use lower frame rate / resolution.
    - Contact DIGISOL helpdesk, if above solutions do not work.

This product comes with One Year warranty. For further details about warranty policy and Product Registration, please visit support section of **www.digisol.com**

A product of Smartlink Network Systems Ltd

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